

Converting Colors

$Y_{xy}(45.2603, 0.3986, 0.4232)$

Have a look what the booklet for
Yxy(45.2603, 0.3986, 0.4232)
contains.

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Color

Yxy(45.3567, 0.3984, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	CAB266
RGB	202, 178, 102
RGB Percent	79%, 70%, 40%
CMY	0.2080, 0.3019, 0.6000
CMYK	0.00, 0.12, 0.49, 0.21
HSL	46°, 49%, 60%
HSV	46°, 49%, 79%
XYZ	42.6685, 45.3567, 19.0744
YIQ	176.5120, 38.7000, -18.5480

Conversions

Conversions Part 2

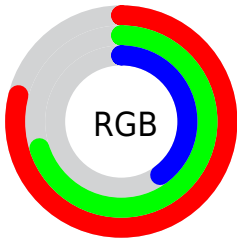
Format	Color
RYB	134, 202, 102
Decimal	13283942
CIELab	73.13, -1.32, 41.76
CIElCh	73, 41.779, 91.806
Yxy	45.3567, 0.3984, 0.4235
Android (android.graphics.Color)	4291474022 (0xFFCAB266)
YUV	176.5120, -36.7344, 22.3530
Hunter-Lab	67.3474, -4.7677, 30.3508

Details

The Yxy color **45.3567, 0.3984, 0.4235** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.9940, 0.2259, 0.2106**, and the grayscale version is **43.8771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4387, 0.3798, 0.4094**, and **21.2806, 0.4195, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **43.1141, 0.4165, 0.4396**, and if you desaturate by 10%, it is **47.7691, 0.3798, 0.4052**.

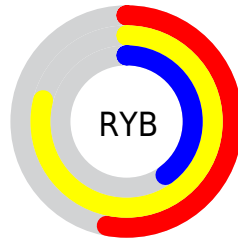
Distribution



Red (79%)

Green (70%)

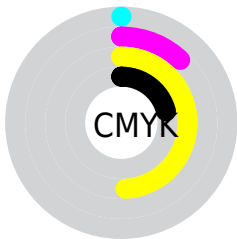
Blue (40%)



Red (53%)

Yellow (79%)

Blue (40%)

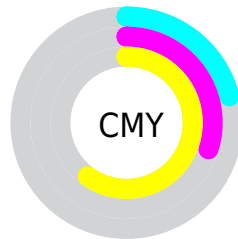


Cyan (0%)

Magenta (12%)

Yellow (49%)

Black (21%)



Cyan (21%)


Magenta (30%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3567, 0.3984, 0.4235 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.3567, 0.3984, 0.4235 by changing the saturation by 10% instead.


 45.3567, 0.3984,
0.4235


 45.3567, 0.3984,
0.4235


368.2163, 0.3569,
0.3774


 31.7385, 0.4079,
0.4342


 83.2554, 0.3839,
0.4073

 21.1618, 0.4194,
0.4471


 108.3047, 0.3782,
0.4010

 13.2423, 0.4333,
0.4630


 137.9331, 0.3734,
0.3956

 7.5956, 0.4496,
0.4820

 172.5251, 0.3692,
0.3910

 3.8373, 0.4814,
0.5186

212.4650, 0.3655,
0.3869

 1.5830, 0.4794,
0.5206

258.1373, 0.3623,

 0.3461, 0.4617,

0.3834

0.5383

309.9262, 0.3594,
0.3802

0.0000, 0.0000,
0.0000

45.3567, 0.3984,
0.4235

45.3567, 0.3984,
0.4235

43.1141, 0.4165,
0.4396

47.7691, 0.3798,
0.4052

41.0269, 0.4332,
0.4526

50.3520, 0.3615,
0.3858

39.0885, 0.4479,
0.4614

53.1143, 0.3439,
0.3661

37.2883, 0.4598,
0.4656

56.0619, 0.3273,
0.3467

35.6086, 0.4690,
0.4655

59.2008, 0.3120,
0.3281

■ 35.5265, 0.4695,
0.4654

■ 62.5363, 0.2980,
0.3105

■ 66.0736, 0.2853,
0.2941

■ 69.2536, 0.2788,
0.2876

■ 71.7801, 0.2791,
0.2929

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3567, 0.4276, 0.3871



45.3567, 0.3984, 0.4235



45.3567, 0.3475, 0.4364

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.3567, 0.3984, 0.4235



45.3567, 0.2129, 0.2996



45.3567, 0.3278, 0.2621

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.3567, 0.3984, 0.4235



21.9940, 0.2259, 0.2106

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.3567, 0.2704, 0.2407



45.3567, 0.3984, 0.4235



45.3567, 0.2088, 0.2574

Square

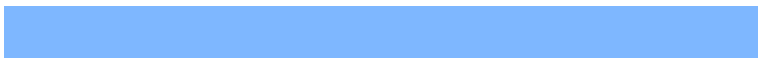
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.3567, 0.3984, 0.4235



45.3567, 0.2412, 0.3584



45.3567, 0.2286, 0.2381



45.3567, 0.3859, 0.2979

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3567, 0.3984, 0.4235



45.3567, 0.3089, 0.4248



45.3567, 0.2286, 0.2381



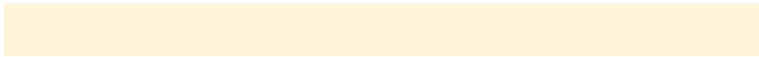
45.3567, 0.3077, 0.2531

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.3588, 0.3984, 0.4235



92.0695, 0.3366, 0.3577



23.5854, 0.4147, 0.2970



19.4809, 0.3402, 0.3619



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3588, 0.3984, 0.4235



72.9135, 0.4170, 0.4401



52.5276, 0.3631, 0.4580



12.6235, 0.3271, 0.3465



23.0136, 0.4687, 0.4661



1.2999, 0.4571, 0.4753

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.9940, 0.2259, 0.2106



29.1248, 0.2069, 0.1810



18.2755, 0.2403, 0.1818



11.2731, 0.2983, 0.3108



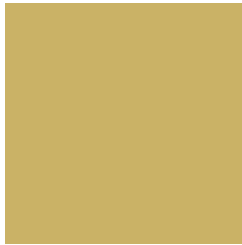
4.2417, 0.1578, 0.0880



0.3405, 0.1685, 0.1265

Previews

White Background



This preview shows how the Yxy color 45.3567, 0.3984, 0.4235 looks on a white background.

Color Contrast Check

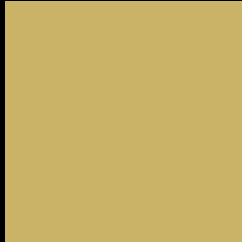
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.3567, 0.3984, 0.4235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

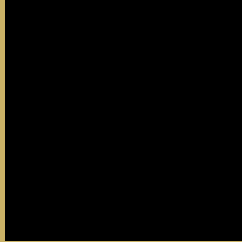
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3567, 0.3984, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 45.3567, 0.3984, 0.4235.



This preview shows how white text looks on a background with the Yxy color 45.3567, 0.3984, 0.4235.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.3567, 0.3984, 0.4235

Protanopia

45.4921, 0.3917, 0.4264

Deuteranopia

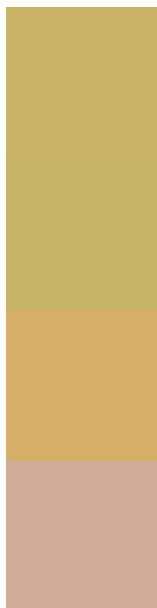
45.1854, 0.4175, 0.4077



Tritanopia

45.4550, 0.3391, 0.3133

Trichromacy



Original Color

45.3567, 0.3984, 0.4235

Protanomaly

45.3616, 0.3942, 0.4245

Deuteranomaly

45.3975, 0.4106, 0.4140

Tritanomaly

45.0704, 0.3620, 0.3529

Monochromacy



Original Color

45.3567, 0.3984, 0.4235

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.0854, 0.3435, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3567, 0.3984, 0.4235 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 178, 102)` looks like.

```
.text, #text, p{  
    color:rgb(202, 178, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 178, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 178, 102) }
```

Border

The CSS property to change the border of an element to Yxy 45.3567, 0.3984, 0.4235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 178, 102) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(202, 178, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(202, 178, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 178, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 178, 102);  
box-shadow:4px 4px 4px 4px rgb(202, 178,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3567, 0.3984, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 178, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
178, 102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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